

Gauthier6, Luc (OCSA/BCSC)

From: Gauthier6, Luc (OCSA/BCSC)
Sent: 25 novembre 2021 14:34
To: GILLIAN.MACLEOD@forces.gc.ca
Cc: NATHANIEL.COUSINS@forces.gc.ca; LINE.GAGNON@forces.gc.ca;
Patrick.Lanouette@forces.gc.ca
Subject: RE: question re DRDC

Hello Gillian,

For your information: it seems that "information gathered pre-2010" is not perceived the same way in the USA... since they are establishing a new investigatory body, as a follow up to the releasing of their report:

<https://www.defense.gov/News/Releases/Release/Article/2853121/dod-announces-the-establishment-of-the-airborne-object-identification-and-manag/>

When I thought that story was slowly vanishing, it comes back on top... Just want to make sure you are aware.

Regards,

Luc Gauthier
Chief of Staff | Chef de cabinet
Office of the Chief Science Advisor | Bureau de la Conseillère scientifique en chef
Government of Canada | Gouvernement du Canada
luc.gauthier6@ocsa-bcsc.gc.ca

From: GILLIAN.MACLEOD@forces.gc.ca <GILLIAN.MACLEOD@forces.gc.ca>
Sent: 30 juin 2021 14:00
To: Gauthier6, Luc (IC) <luc.gauthier6@canada.ca>
Cc: NATHANIEL.COUSINS@forces.gc.ca; LINE.GAGNON@forces.gc.ca; Patrick.Lanouette@forces.gc.ca
Subject: RE: question re DRDC

Good afternoon Mr. Gauthier,

Defence Research and Development Canada (DRDC) had gathered the attached historical details related to unidentified aerial phenomena. However, given there were no substantial links and that much of this information was gathered pre 2010, we would like to advise the Office of the Chief Science Advisor of Canada (CSAC) that we are not actively following the soon to be released US report mentioned below.

Please advise if you have any follow-on questions, or if you desire further information on the above.

Regards,
Gillian MacLeod for Nathaniel Cousins

From: Gagnon L@ADM(DRDC) DDG@Ottawa-Hull
Sent: June 30, 2021 10:00 AM
To: Lanouette Maj PD@DM@Ottawa-Hull <Patrick.Lanouette@forces.gc.ca>
Cc: Cousins N@ADM(DRDC)@Ottawa-Hull <NATHANIEL.COUSINS@forces.gc.ca>; MacLeod G@ADM(DRDC) DSTFE-DSTSDS@Ottawa-Hull <GILLIAN.MACLEOD@forces.gc.ca>
Subject: RE: question re DRDC

Merci Major – duly receive and we are identifying the best resource and will shortly get back to you. MTF

Line Gagnon (she/her/elle)
Coordonnatrice administrative / Administrative Coordinator
Bureau de la Sous-ministre adjointe (RDDC) / Office of the Assistant Deputy Minister (DRDC)
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Ottawa, ON K2H 8E9

Mobile phone/téléphone cellulaire : (343) 549-7768
Email / Courriel: line.gagnon@forces.gc.ca

From: Lanouette Maj PD@DM@Ottawa-Hull
Sent: June 30, 2021 8:49 AM
To: Gagnon L@ADM(DRDC) DDG@Ottawa-Hull <LINE.GAGNON@forces.gc.ca>
Cc: Cousins N@ADM(DRDC)@Ottawa-Hull <NATHANIEL.COUSINS@forces.gc.ca>
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Hi Line,

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Would it be possible for DRDC's chief science officer to reach out to the CSA of Canada to see what can be shared in response to the request below.

Thank you,

Maj Pat Lanouette

Military Advisor to the Deputy Minister of National Defence
Department of National Defence / Government of Canada
Patrick.Lanouette@forces.gc.ca, Tel Pearkes: [613-943-1243](tel:613-943-1243) / Carling: [613-904-5308](tel:613-904-5308) / Cell: [343\) 571-6927](tel:343-571-6927)

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From: Gauthier6, Luc (IC) [<mailto:luc.gauthier6@canada.ca>]
Sent: June 3, 2021 10:07 AM

To: Patry LCol JJG@DM@Ottawa-Hull <JEROME.PATRY@forces.gc.ca>; Jonkmans G@ADM(S&T) DKTS@Ottawa-Hull <GUY.JONKMANS@forces.gc.ca>
Cc: gina.strati@cnl.ca
Subject: RE: question re DRDC

Bonjour Lieutenant-Colonel,

As you probably know, the Chief Science Advisor of Canada (Dr. Mona Nemer) provides scientific information and advice directly to the Prime Minister and to Cabinet, via either written or verbal briefings. Some of them become public (and are designed as such) but most of them remain confidential.

Though our office has been focussing almost exclusively on the Covid-19 pandemic in the last year, we have continued to monitor and gather intelligence on many other S&T topics and emerging technologies, like quantum computing and blockchain tracking systems. We are also involved in discussions on research security and foreign threats to our scientific data and intellectual property.

Recently, the media announced that the US Congress is about to receive a report on unidentified flying objects caught on camera by their military pilots: <https://www.nbcnews.com/science/science-news/ufos-are-make-way-us-senate-know-rcna973>

Whether these cases are associated with advanced foreign technologies or with unknown natural phenomena, they are (at least temporary) a topic of interest for our office.

While we wait to discover the content of that American report, we are looking for other federal organizations who might be following this file. Our goal is to avoid duplication of effort or the production of misaligned briefings going in the system.

Please let me know if you have other questions, and if you were aware of the US report to be tabled later this month. I am copying my colleague Gina, who is the lead analyst on the emerging technologies portfolio in our office (we borrowed Gina from the Canadian Nuclear Laboratories for a 12-months assignment).

Merci bien,

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luc.gauthier6@canada.ca

Gauthier6, Luc (OCSA/BCSC)

From: Strati, Gina <gina.strati@cnl.ca>
Sent: 30 juin 2021 16:58
To: Gauthier6, Luc (IC); Gary Slater
Subject: RE: aerial phenomena

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Thank you! The information in the presentation is consistent with what I have seen on--line. I will continue to monitor what comes out of the US (and if there is a response in other countries) just in case something interesting emerges or results from some of their deeper analysis are released.

From: Gauthier6, Luc (IC) [mailto:luc.gauthier6@canada.ca]
Sent: June 30, 2021 4:12 PM
To: Strati, Gina <gina.strati@cnl.ca>; Gary Slater <gslater@uottawa.ca>
Subject: [External] FW: aerial phenomena

FYI

From: GILLIAN.MACLEOD@forces.gc.ca <GILLIAN.MACLEOD@forces.gc.ca>
Sent: June 30, 2021 2:00 PM
To: Gauthier6, Luc (IC) <luc.gauthier6@canada.ca>
Cc: NATHANIEL.COUSINS@forces.gc.ca; LINE.GAGNON@forces.gc.ca; Patrick.Lanouette@forces.gc.ca
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Government of Canada | Gouvernement du Canada

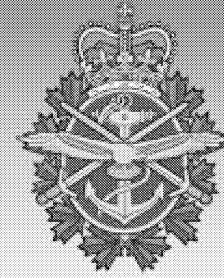
luc.gauthier6@canada.ca

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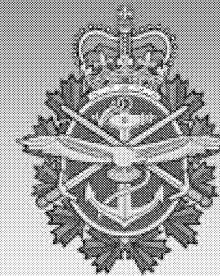
Unidentified Aerial Phenomena (UAP)

Brief to MND



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UAP in Canada

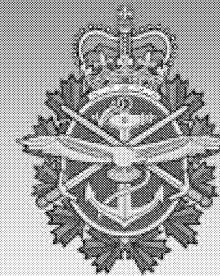
- Approximately 1,000 UFO sightings reported in Canada each year
- Library and Archives Canada (LAC) collection of UFO reporting constitutes approximately 9,000 separate documents
- UFO / UAP reporting in Canada historically under the domain of multiple organizations, with different interests and priorities, including Transport Canada, NAV Canada, National Research Council, RCMP and DND
- Recent examples include:
 - 23 December 2018 (Yarmouth, NS). Lights were reported by both a witness on land and one at sea. Three primary radar returns were recorded at the observed location.
 - 9 May 2021 (Hudson Bay, SK). A Delta Air Lines Inc. Boeing 737-900 from Fairbanks, AK to Minneapolis–Saint Paul, MN was cruising at 39,000 ft when the pilot asked ATC about traffic well above them and moving right to left.

Canada



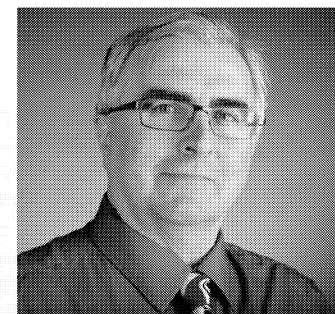
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UAP and GC

- 1950s – Defence Research Board (DRB) conducted research into reported ‘flying saucers’ near North Bay, ON
- 1960s – Departmental responsibility for reporting assigned from DND/CAF to National Research Council (NRC), supported by RCMP
- 1995 – RCMP/NRC partnership for UFO research dissolved. Reporting on ‘Non-Meteoric Sightings’ begins to be directed to Mr. Rutkowski and University of Manitoba for academic purposes
- 2000 – Mr. Rutkowski receives all UFO-related reports from DND and Transport Canada
- Currently – University of Manitoba does not fund Canadian UFO Survey, but assists in archiving Mr. Rutkowski’s files for future academic research



Chris Rutkowski

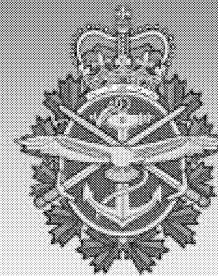
- Canada’s pre-eminent Ufologist, University of Manitoba
- Oversees the annual Canadian UFO Survey

Canada



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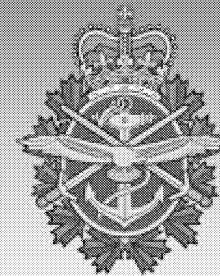
- NAV Canada is the responsible agency for managing UAP-related reporting.
- CAF (via NORAD) monitor, identify, and track all air traffic approaching and traveling through North American airspace.
- CAF collaborates with Federal Aviation Administration and Transport Canada to enforce safety and security regulations over North America.
- CAF does not typically investigate sightings of unexplained phenomena outside the context of investigating potential threats or distress.
- Reporting instances of unidentifiable occurrences is done via a CIRVIS (Communications Instructions for Reporting Vital Intelligence Sightings) report directed to the nearest Air Traffic Control or Flight Information Centre.
- CIRVIS reports related to UFO/UAP are directed to Mr. Chris Rutkowski
- ADM(S&T) report on NFLD UFO sighting in 2010 appears to be the last known potential incident in recent times

Canada



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Discussion

- Report from US Senate Intelligence Committee on UAP
- CAF/DND connections to US partners
 - NORAD
 - DG Space / US Space Force
 - SJS / US Pentagon

Canada

Gauthier6, Luc (OCSA/BCSC)

From: Gary Slater <gslater@uottawa.ca>
Sent: 28 juin 2021 11:02
To: [REDACTED]@cnl.ca
Cc: Gauthier6, Luc (IC)
Subject: FW: Seth Shostak on UFOs and the Search for Extraterrestrial Intelligence: July 8 on Skeptical Inquirer Presents

May be of interest.

I have registered.

Gary

From: Center for Inquiry [mailto:info@centerforinquiry.org]
Sent: Monday, June 28, 2021 10:25 AM
To: Gary Slater <gslater@uottawa.ca>
Subject: Seth Shostak on UFOs and the Search for Extraterrestrial Intelligence: July 8 on Skeptical Inquirer Presents

Attention : courriel externe | external email



Seth Shostak: Why Look for E.T. Light-Years Away If He's Already in Our Airspace?

UFOs are suddenly serious business. The Pentagon's confirmation of "unidentified aerial phenomena" has led to a heightened level of excitement and speculation about the possibility of contact with extraterrestrial life. So what's really going on here?

There is perhaps no one better qualified to answer the big questions about the search for intelligent life in the universe than astronomer Seth Shostak of the SETI Institute. He'll be joining us for the next Skeptical Inquirer Presents live online event, **Thursday, July 8, at 7 p.m. ET.**

REGISTER NOW

Shostak will discuss how the UFO phenomenon differs in fundamental respects from science's search for extraterrestrial intelligence.

Two-thirds of the American populace believes that our galaxy is home to other intelligent beings. And one-third believe that clever creatures are piloting their spacecraft through our atmosphere, occasionally making themselves visible to Navy pilots.

Meanwhile, a tiny group of scientists is trying to find proof of intelligence that could be situated dozens or thousands of light-years away. But why try to contact beings billions of miles away if they're already at our front door?

Free registration is required to take part in this live Zoom event, so sign up right now.

REGISTER NOW

Seth Shostak is senior astronomer and institute Fellow at the SETI Institute. With degrees in physics and astronomy from Princeton University and Caltech, he has a long history of research in radio astronomy and in the Search for Extraterrestrial Intelligence, or SETI. He has written more than 600 popular articles on science and technology and hosts the weekly science radio show Big Picture Science. He is the author of four books, including *Confessions of an Alien Hunter: A Scientist's Search for Extraterrestrial Intelligence*, and a Fellow of CFI's Committee for Skeptical Inquiry.

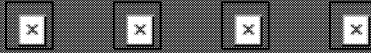
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Gauthier6, Luc (OCSA/BCSC)

From: Strati, Gina (IC)
Sent: 25 juin 2021 17:12
To: Gauthier6, Luc (IC)
Subject: publicly released "UFO" report
Attachments: Preliminary-Assessment-UAP-20210625.pdf

Hi Luc

Here is the public version of the UAP report to the US Congress.

Enjoy!
Gina

Gina L. Strati, Ph.D.

Special Science Policy Advisor, Office of the Chief Science Advisor
Government of Canada
Gina.Strati@canada.ca/ Tel: 613-633-0104

Conseillère spéciale en politiques scientifiques, Bureau de la Conseillère scientifique en chef
Gouvernement du Canada
Gina.Strati@canada.ca/ Tel: 613-633-0104

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OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE

Preliminary Assessment: Unidentified Aerial Phenomena

25 June 2021

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A-2023-00442--A0070050_1--00018

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SCOPE AND ASSUMPTIONS

Scope

This preliminary report is provided by the Office of the Director of National Intelligence (ODNI) in response to the provision in Senate Report 116-233, accompanying the Intelligence Authorization Act (IAA) for Fiscal Year 2021, that the DNI, in consultation with the Secretary of Defense (SECDEF), is to submit an intelligence assessment of the threat posed by unidentified aerial phenomena (UAP) and the progress the Department of Defense Unidentified Aerial Phenomena Task Force (UAPTF) has made in understanding this threat.

This report provides an overview for policymakers of the challenges associated with characterizing the potential threat posed by UAP while also providing a means to develop relevant processes, policies, technologies, and training for the U.S. military and other U.S. Government (USG) personnel if and when they encounter UAP, so as to enhance the Intelligence Community's (IC) ability to understand the threat. The Director, UAPTF, is the accountable official for ensuring the timely collection and consolidation of data on UAP. The dataset described in this report is currently limited primarily to U.S. Government reporting of incidents occurring from November 2004 to March 2021. Data continues to be collected and analyzed.

ODNI prepared this report for the Congressional Intelligence and Armed Services Committees. UAPTF and the ODNI National Intelligence Manager for Aviation drafted this report, with input from USD(I&S), DIA, FBI, NRO, NGA, NSA, Air Force, Army, Navy, Navy/ONI, DARPA, FAA, NOAA, NGA, ODNI/NIM-Emerging and Disruptive Technology, ODNI/National Counterintelligence and Security Center, and ODNI/National Intelligence Council.

Assumptions

Various forms of sensors that register UAP generally operate correctly and capture enough real data to allow initial assessments, but some UAP may be attributable to sensor anomalies.

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EXECUTIVE SUMMARY

The limited amount of high-quality reporting on unidentified aerial phenomena (UAP) hampers our ability to draw firm conclusions about the nature or intent of UAP. The Unidentified Aerial Phenomena Task Force (UAPTF) considered a range of information on UAP described in U.S. military and IC (Intelligence Community) reporting, but because the reporting lacked sufficient specificity, ultimately recognized that a unique, tailored reporting process was required to provide sufficient data for analysis of UAP events.

- As a result, the UAPTF concentrated its review on reports that occurred between 2004 and 2021, the majority of which are a result of this new tailored process to better capture UAP events through formalized reporting.
- Most of the UAP reported probably do represent physical objects given that a majority of UAP were registered across multiple sensors, to include radar, infrared, electro-optical, weapon seekers, and visual observation.

In a limited number of incidents, UAP reportedly appeared to exhibit unusual flight characteristics. These observations could be the result of sensor errors, spoofing, or observer misperception and require additional rigorous analysis.

There are probably multiple types of UAP requiring different explanations based on the range of appearances and behaviors described in the available reporting. Our analysis of the data supports the construct that if and when individual UAP incidents are resolved they will fall into one of five potential explanatory categories: airborne clutter, natural atmospheric phenomena, USG or U.S. industry developmental programs, foreign adversary systems, and a catchall “other” bin.

UAP clearly pose a safety of flight issue and may pose a challenge to U.S. national security. Safety concerns primarily center on aviators contending with an increasingly cluttered air domain. UAP would also represent a national security challenge if they are foreign adversary collection platforms or provide evidence a potential adversary has developed either a breakthrough or disruptive technology.

Consistent consolidation of reports from across the federal government, standardized reporting, increased collection and analysis, and a streamlined process for screening all such reports against a broad range of relevant USG data will allow for a more sophisticated analysis of UAP that is likely to deepen our understanding. Some of these steps are resource-intensive and would require additional investment.

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AVAILABLE REPORTING LARGELY INCONCLUSIVE

Limited Data Leaves Most UAP Unexplained...

Limited data and inconsistency in reporting are key challenges to evaluating UAP. No standardized reporting mechanism existed until the Navy established one in March 2019. The Air Force subsequently adopted that mechanism in November 2020, but it remains limited to USG reporting. The UAPTF regularly heard anecdotally during its research about other observations that occurred but which were never captured in formal or informal reporting by those observers.

After carefully considering this information, the UAPTF focused on reports that involved UAP largely witnessed firsthand by military aviators and that were collected from systems we considered to be reliable. These reports describe incidents that occurred between 2004 and 2021, with the majority coming in the last two years as the new reporting mechanism became better known to the military aviation community. We were able to identify one reported UAP with high confidence. In that case, we identified the object as a large, deflating balloon. The others remain unexplained.

- **144** reports originated from USG sources. Of these, **80** reports involved observation with multiple sensors.
 - Most reports described UAP as objects that interrupted pre-planned training or other military activity.

UAP Collection Challenges

Sociocultural stigmas and sensor limitations remain obstacles to collecting data on UAP. Although some technical challenges—such as how to appropriately filter out radar clutter to ensure safety of flight for military and civilian aircraft—are longstanding in the aviation community, while others are unique to the UAP problem set.

- Narratives from aviators in the operational community and analysts from the military and IC describe disparagement associated with observing UAP, reporting it, or attempting to discuss it with colleagues. Although the effects of these stigmas have lessened as senior members of the scientific, policy, military, and intelligence communities engage on the topic seriously in public, reputational risk may keep many observers silent, complicating scientific pursuit of the topic.
- The sensors mounted on U.S. military platforms are typically designed to fulfill specific missions. As a result, those sensors are not generally suited for identifying UAP.
- Sensor vantage points and the numbers of sensors concurrently observing an object play substantial roles in distinguishing UAP from known objects and determining whether a UAP demonstrates breakthrough aerospace capabilities. Optical sensors have the benefit of providing some insight into relative size, shape, and structure. Radiofrequency sensors provide more accurate velocity and range information.

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But Some Potential Patterns Do Emerge

Although there was wide variability in the reports and the dataset is currently too limited to allow for detailed trend or pattern analysis, there was some clustering of UAP observations regarding shape, size, and, particularly, propulsion. UAP sightings also tended to cluster around U.S. training and testing grounds, but we assess that this may result from a collection bias as a result of focused attention, greater numbers of latest-generation sensors operating in those areas, unit expectations, and guidance to report anomalies.

And a Handful of UAP Appear to Demonstrate Advanced Technology

In **18** incidents, described in **21** reports, observers reported unusual UAP movement patterns or flight characteristics.

Some UAP appeared to remain stationary in winds aloft, move against the wind, maneuver abruptly, or move at considerable speed, without discernable means of propulsion. In a small number of cases, military aircraft systems processed radio frequency (RF) energy associated with UAP sightings.

The UAPTF holds a small amount of data that appear to show UAP demonstrating acceleration or a degree of signature management. Additional rigorous analysis are necessary by multiple teams or groups of technical experts to determine the nature and validity of these data. We are conducting further analysis to determine if breakthrough technologies were demonstrated.

UAP PROBABLY LACK A SINGLE EXPLANATION

The UAP documented in this limited dataset demonstrate an array of aerial behaviors, reinforcing the possibility there are multiple types of UAP requiring different explanations. Our analysis of the data supports the construct that if and when individual UAP incidents are resolved they will fall into one of five potential explanatory categories: airborne clutter, natural atmospheric phenomena, USG or industry developmental programs, foreign adversary systems, and a catchall "other" bin. With the exception of the one instance where we determined with high confidence that the reported UAP was airborne clutter, specifically a deflating balloon, we currently lack sufficient information in our dataset to attribute incidents to specific explanations.

Airborne Clutter: These objects include birds, balloons, recreational unmanned aerial vehicles (UAV), or airborne debris like plastic bags that muddle a scene and affect an operator's ability to identify true targets, such as enemy aircraft.

Natural Atmospheric Phenomena: Natural atmospheric phenomena includes ice crystals, moisture, and thermal fluctuations that may register on some infrared and radar systems.

USG or Industry Developmental Programs: Some UAP observations could be attributable to developments and classified programs by U.S. entities. We were unable to confirm, however, that these systems accounted for any of the UAP reports we collected.

Foreign Adversary Systems: Some UAP may be technologies deployed by China, Russia, another nation, or a non-governmental entity.

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Other: Although most of the UAP described in our dataset probably remain unidentified due to limited data or challenges to collection processing or analysis, we may require additional scientific knowledge to successfully collect on, analyze and characterize some of them. We would group such objects in this category pending scientific advances that allowed us to better understand them. The UAPTF intends to focus additional analysis on the small number of cases where a UAP appeared to display unusual flight characteristics or signature management.

UAP THREATEN FLIGHT SAFETY AND, POSSIBLY, NATIONAL SECURITY

UAP pose a hazard to safety of flight and could pose a broader danger if some instances represent sophisticated collection against U.S. military activities by a foreign government or demonstrate a breakthrough aerospace technology by a potential adversary.

Ongoing Airspace Concerns

When aviators encounter safety hazards, they are required to report these concerns. Depending on the location, volume, and behavior of hazards during incursions on ranges, pilots may cease their tests and/or training and land their aircraft, which has a deterrent effect on reporting.

- The UAPTF has 11 reports of documented instances in which pilots reported near misses with a UAP.

Potential National Security Challenges

We currently lack data to indicate any UAP are part of a foreign collection program or indicative of a major technological advancement by a potential adversary. We continue to monitor for evidence of such programs given the counter intelligence challenge they would pose, particularly as some UAP have been detected near military facilities or by aircraft carrying the USG's most advanced sensor systems.

EXPLAINING UAP WILL REQUIRE ANALYTIC, COLLECTION AND RESOURCE INVESTMENT

Standardize the Reporting, Consolidate the Data, and Deepen the Analysis

In line with the provisions of Senate Report 116-233, accompanying the IAA for FY 2021, the UAPTF's long-term goal is to widen the scope of its work to include additional UAP events documented by a broader swath of USG personnel and technical systems in its analysis. As the dataset increases, the UAPTF's ability to employ data analytics to detect trends will also improve. The initial focus will be to employ artificial intelligence/machine learning algorithms to cluster and recognize similarities and patterns in features of the data points. As the database accumulates information from known aerial objects such as weather balloons, high-altitude or super-pressure balloons, and wildlife, machine learning can add efficiency by pre-assessing UAP reports to see if those records match similar events already in the database.

- The UAPTF has begun to develop interagency analytical and processing workflows to ensure both collection and analysis will be well informed and coordinated.

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The majority of UAP data is from U.S. Navy reporting, but efforts are underway to standardize incident reporting across U.S. military services and other government agencies to ensure all relevant data is captured with respect to particular incidents and any U.S. activities that might be relevant. The UAPTF is currently working to acquire additional reporting, including from the U.S. Air Force (USAF), and has begun receiving data from the Federal Aviation Administration (FAA).

- Although USAF data collection has been limited historically the USAF began a six-month pilot program in November 2020 to collect in the most likely areas to encounter UAP and is evaluating how to normalize future collection, reporting, and analysis across the entire Air Force.
- The FAA captures data related to UAP during the normal course of managing air traffic operations. The FAA generally ingests this data when pilots and other airspace users report unusual or unexpected events to the FAA's Air Traffic Organization.
- In addition, the FAA continuously monitors its systems for anomalies, generating additional information that may be of use to the UAPTF. The FAA is able to isolate data of interest to the UAPTF and make it available. The FAA has a robust and effective outreach program that can help the UAPTF reach members of the aviation community to highlight the importance of reporting UAP.

Expand Collection

The UAPTF is looking for novel ways to increase collection of UAP cluster areas when U.S. forces are not present as a way to baseline "standard" UAP activity and mitigate the collection bias in the dataset. One proposal is to use advanced algorithms to search historical data captured and stored by radars. The UAPTF also plans to update its current interagency UAP collection strategy in order bring to bear relevant collection platforms and methods from the DoD and the IC.

Increase Investment in Research and Development

The UAPTF has indicated that additional funding for research and development could further the future study of the topics laid out in this report. Such investments should be guided by a UAP Collection Strategy, UAP R&D Technical Roadmap, and a UAP Program Plan.

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APPENDIX A - Definition of Key Terms

This report and UAPTF databases use the following defining terms:

Unidentified Aerial Phenomena (UAP): Airborne objects not immediately identifiable. The acronym UAP represents the broadest category of airborne objects reviewed for analysis.

UAP Event: A holistic description of an occurrence during which a pilot or aircrew witnessed (or detected) a UAP.

UAP Incident: A specific part of the event.

UAP Report: Documentation of a UAP event, to include verified chains of custody and basic information such as the time, date, location, and description of the UAP. UAP reports include Range Fouler¹ reports and other reporting.

¹ U.S. Navy aviators define a “range fouler” as an activity or object that interrupts pre-planned training or other military activity in a military operating area or restricted airspace.

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APPENDIX B – Senate Report Accompanying the Intelligence Authorization Act for Fiscal Year 2021

Senate Report 116-233, accompanying the Intelligence Authorization Act for Fiscal Year 2021, provides that the DNI, in consultation with the SECDEF and other relevant heads of USG Agencies, is to submit an intelligence assessment of the threat posed by UAP and the progress the UAPTF has made to understand this threat.

The Senate Report specifically requested that the report include:

1. A detailed analysis of UAP data and intelligence reporting collected or held by the Office of Naval Intelligence, including data and intelligence reporting held by the UAPTF;
2. A detailed analysis of unidentified phenomena data collected by:
 - a. Geospatial Intelligence;
 - b. Signals Intelligence;
 - c. Human Intelligence; and
 - d. Measurement and Signatures Intelligence
3. A detailed analysis of data of the Federal Bureau of Investigation, which was derived from investigations of intrusions of UAP data over restricted U.S. airspace;
4. A detailed description of an interagency process for ensuring timely data collection and centralized analysis of all UAP reporting for the Federal Government, regardless of which service or agency acquired the information;
5. Identification of an official accountable for the process described in paragraph 4;
6. Identification of potential aerospace or other threats posed by the UAP to national security, and an assessment of whether this UAP activity may be attributed to one or more foreign adversaries;
7. Identification of any incidents or patterns that indicate a potential adversary, have achieved breakthrough aerospace capabilities that could put U.S. strategic or conventional forces at risk; and
8. Recommendations regarding increased collection of data, enhanced research and development, additional funding, and other resources.

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Gauthier6, Luc (OCSA/BCSC)

From: JEROME.PATRY@forces.gc.ca
Sent: 4 juin 2021 09:22
To: Gauthier6, Luc (IC); GUY.JONKMANS@forces.gc.ca
Cc: gina.strati@cnl.ca
Subject: RE: question re DRDC

Bonjour M. Gauthier,

I have redirected your request to SJS for their analysis. We will get back to you shortly.

Jerome

Lieutenant-Colonel Jerome Patry

Conseiller Militaire Principal au Sous-Ministre de la Défense nationale
Ministère de la Défense nationale / Gouvernement du Canada
Jerome.Patry@forces.gc.ca Tel Pearkes 613-992-0245 / Carling 613-904-5278/ Cell: (343) 552-1254

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Department of National Defence / Government of Canada
Jerome.Patry@forces.gc.ca Tel Pearkes 613-992-0245 / Carling 613-904-5278/ Cell: (343) 552-1254

From: Gauthier6, Luc (IC) [<mailto:luc.gauthier6@canada.ca>]
Sent: June 3, 2021 10:07 AM
To: Patry LCol JJG@DM@Ottawa-Hull <JEROME.PATRY@forces.gc.ca>; Jonkmans G@ADM(S&T) DKTS@Ottawa-Hull <GUY.JONKMANS@forces.gc.ca>
Cc: gina.strati@cnl.ca
Subject: RE: question re DRDC

Bonjour Lieutenant-Colonel,

As you probably know, the Chief Science Advisor of Canada (Dr. Mona Nemer) provides scientific information and advice directly to the Prime Minister and to Cabinet, via either written or verbal briefings. Some of them become public (and are designed as such) but most of them remain confidential.

Though our office has been focussing almost exclusively on the Covid-19 pandemic in the last year, we have continued to monitor and gather intelligence on many other S&T topics and emerging technologies, like quantum computing and blockchain tracking systems. We are also involved in discussions on research security and foreign threats to our scientific data and intellectual property.

Recently, the media announced that the US Congress is about to receive a report on unidentified flying objects caught on camera by their military pilots: <https://www.nbcnews.com/science/science-news/ufos-are-make-way-us-senate-know-rcna973>

Whether these cases are associated with advanced foreign technologies or with unknown natural phenomena, they are (at least temporary) a topic of interest for our office.

While we wait to discover the content of that American report, we are looking for other federal organizations who might be following this file. Our goal is to avoid duplication of effort or the production of misaligned briefings going in the system.

Please let me know if you have other questions, and if you were aware of the US report to be tabled later this month. I am copying my colleague Gina, who is the lead analyst on the emerging technologies portfolio in our office (we borrowed Gina from the Canadian Nuclear Laboratories for a 12-months assignment).

Merci bien,

Luc

Luc Gauthier
Chief of Staff | Chef de cabinet
Office of the Chief Science Advisor | Bureau de la Conseillère scientifique en chef
Government of Canada | Gouvernement du Canada
luc.gauthier6@canada.ca

From: JEROME.PATRY@forces.gc.ca <JEROME.PATRY@forces.gc.ca>
Sent: June 3, 2021 7:23 AM
To: GUY.JONKMANS@forces.gc.ca
Cc: gina.strati@cnl.ca; Gauthier6, Luc (IC) <luc.gauthier6@canada.ca>
Subject: RE: question re DRDC

Good morning Dr Jonkmans,

I recently replaced Col Reeves. What is your request exactly, and what can I do to help?

Thank you,

Jerome

Lieutenant-Colonel Jerome Patry

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From: Reeves LCol KM@DM@Ottawa-Hull
Sent: June 2, 2021 10:56 AM
To: Jonkmans G@ADM(S&T) DKTS@Ottawa-Hull <GUY.JONKMANS@forces.gc.ca>
Cc: Strati, Gina <gina.strati@cnl.ca>; luc.gauthier6@canada.ca; Patry LCol JJG@DM@Ottawa-Hull <JEROME.PATRY@forces.gc.ca>
Subject: Re: question re DRDC

Good Morning,
I've just recently moved in from DMO, and have cc'd my replacement, LCol Patry.

Thank you,

Colonel K.M. Reeves

Department of National Defence / Government of Canada

Kristopher.Reeves@forces.gc.ca Tel: 343-548-6297

Ministère de la Défense nationale / Gouvernement du Canada

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On Jun 2, 2021, at 9:12 AM, Jonkmans G@ADM(S&T) DKTS@Ottawa-Hull
<GUY.JONKMANS@forces.gc.ca> wrote:

Hello Gina,

We are aware of the upcoming release of information of unclassified reports about Unidentified Aerial Phenomena to U.S. Congress.

I recommend that you consult with Lieutenant-Colonel K.M. Reeves (cc'ed), Senior Military Advisor to the Deputy Minister of National Defence.

U.S. Congressional consideration are tracked by the trade commissioner service team at the Canadian Embassy (WSHDC).

LCol Reeves: I've cc'ed Luc Gauthier, Chief of Staff with the Office of Canada's Chief Science Advisor. In case you give consideration to this request, I would connect with Mr. Gauthier for confirmation of Gina's credentials and clearances. Thanks.

Guy.

Dr. Guy Jonkmans

Senior Liaison and Senior Science Advisor to U.S. Department of Homeland Security Science and Technology Directorate

guy.jonkmans@forces.gc.ca

+1 613.796.4765

From: Strati, Gina [<mailto:gina.strati@cnl.ca>]

Sent: June 1, 2021 8:26 AM

To: Jonkmans G@ADM(S&T) DKTS@Ottawa-Hull <GUY.JONKMANS@forces.gc.ca>

Subject: question re DRDC

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Hi Guy,

I hope you are doing well and enjoying your new role as liaison to Homeland Security. I also have recently started an interchange position with the Office of the Chief Science Advisor and am enjoying the role and the change. I have a question that I hope you might be able to help me with.

I am leading part of the Emerging Technologies file at OCSA and was asked to keep an eye on the report to Congress being released next month regarding Unidentified Aerial Phenomenon (referenced in the NBC news story on UFOs below). I know this is a bit unusual, but the desire is to stay on top of this in case the experiences in the released video relate to drones etc.. and are an indicator of advanced technology that is in use. <https://www.nbcnews.com/science/science-news/ufo-are-make-way-us-senate-know-rcna973>

My question is: do you know who in the Canadian Government would be most likely to have an eye on this report going to Congress or have a file related to "UFOs"? The suggestion was DRDC might be keeping track but I am not sure. I was unable to find anything on-line that was helpful.

Any information or suggestions you might have are much appreciated!

Thanks,
Gina

Gina L. Strati, Ph. D.
Special Science Policy Analyst
Office of the Chief Science Advisor
Cell: 613-633-0104

Science & Technology
Canadian Nuclear Laboratories
Gina.Strati@cnl.ca

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Gauthier6, Luc (OCSA/BCSC)

From: GUY.JONKMANS@forces.gc.ca
Sent: 3 juin 2021 07:52
To: JEROME.PATRY@forces.gc.ca
Cc: gina.strati@cnl.ca; Gauthier6, Luc (IC)
Subject: RE: question re DRDC

Hello Lieutenant-Colonel Patry,

The request is from the Office of the Chief Science Advisor (OCSA, part of Innovation, Science and Economic Development Canada – ISED).

I'll let the OCSA contact you directly to explain clearly what kind of assistance they would like here. Some of our recent briefings to the Minister, if they can be shared with OCSA, might be pertinent here.

Thank you for following up with this.

Best Regards,

Guy.

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Gauthier6, Luc (OCSA/BCSC)

From: Gary Slater <gslater@uottawa.ca>
Sent: 28 mai 2021 13:01
To: Gauthier6, Luc (IC)
Subject: RE: UFOs are about to make their way to the U.S. Senate

Deux raisons:

- 1) Il y a une pression énorme sur les élus américains dans ce sujet (Roswell, etc.). C'est rendu intenable pour bien des élus.
Les conspirationnistes en font des choux gras.
On ne réalise pas cela ici.
L'ufologie est essentiellement une création américaine (1947). Son histoire et sa sociologie sont plus riches que sa physique!
- 2) Spéculation : Les militaires savent qu'il n'y a rien là, donc rendre ça public ne constitue pas un risque! Le risque pour les militaires américains est d'admettre que leurs instruments et pilotes peuvent être dupés.

Gary

From: Gauthier6, Luc (IC) [mailto:luc.gauthier6@canada.ca]
Sent: Friday, May 28, 2021 12:26 PM
To: Gary Slater <gslater@uottawa.ca>
Subject: RE: UFOs are about to make their way to the U.S. Senate

Attention : courriel externe | external email

J'ai peut-être lu un peu vite en effet, mais je l'ai sentie quand même assez fermée et méprisante. Je relirai tranquillement ce soir. Ce serait bien le comble qu'on se montre plus fermés intellectuellement que les militaires eux-mêmes! J'ai bien hâte de voir ce rapport, surtout pour essayer de comprendre l'intention derrière (c'est la partie qui m'échappe : qu'est-ce qu'ils essaient de faire au juste avec un document public sur des éléments de défense nationale?).

Luc

From: Gary Slater <gslater@uottawa.ca>
Sent: May 28, 2021 12:12 PM
To: Gauthier6, Luc (IC) <luc.gauthier6@canada.ca>
Subject: RE: UFOs are about to make their way to the U.S. Senate

Salut Luc

Désolé, mais je pense que tu n'as pas compris le paragraphe en question :

I don't think it's completely impossible that hyperadvanced aliens could come to visit us on Earth—being careful for some reason to first evade every sky-monitoring system we have, and leaving no observable trace other than the confusion of a handful of Navy pilots.

Elle fait de l'ironie. C'est tout.

s.19(1)

Et elle ne fait pas cette dichotomie entre alien et météo.
Les instruments eux-mêmes jouent des tours. Elle le mentionne.
Les sites auxquels elle réfère examinent les vidéos sous cet angle.

Il me semble qu'avant d'analyser cela sous la loupe des emerging technologies, il faudrait savoir s'il y a quelque chose à analyser.

C'était ça la nature de mon courriel.

Il me semble prématuré d'aller de l'avant de ce côté.

Attendons de voir ce que les américains rendent public ou concluent.

L'analogie avec les dérive des continents est classique. Elle est peut-être valide ici – on verra. Mais il faut garder à l'esprit que pour chaque idée comme celle-là que les scientifiques ont rejetée à tort, ils en ont rejeté des milliers avec raison. Le scepticisme est un atout en science, mais il faut effectivement savoir quand l'abandonner! L'auteure a bien expliqué pourquoi il est trop tôt pour abandonner le scepticisme.

Je n'ai pas copié les autres sur ma réponse!

Bonne fin de semaine!

Gary

From: Gauthier6, Luc (IC) [<mailto:luc.gauthier6@canada.ca>]

Sent: Friday, May 28, 2021 11:20 AM

To: Gary Slater <gslater@uottawa.ca>; Strati, Gina <[REDACTED]@cnl.ca>

Cc: Bourque-Viens, Alexandre (IC) <alexandre.bourque-viens@canada.ca>; Verrier, Valérie (IC) <valerie.verrier@canada.ca>; Hanna, Sandy (IC) <sandy.hanna@canada.ca>; Engler-Todd, Lori (IC) <lori.engler-todd@canada.ca>; David Castle <dcastle@uvic.ca>; C. Scott Findlay <findlay@uottawa.ca>; Sung, Vanessa (IC) <vanessa.sung@canada.ca>; Marshall, Cara (IC) <cara.marshall@canada.ca>; Thornton, Peter (IC) <peter.thornton@canada.ca> [REDACTED]

Subject: RE: UFOs are about to make their way to the U.S. Senate

Attention : courriel externe | external email

Elle est clairement de très mauvaise foi ton astrophysicienne, on le voit bien quand elle dit « no observable trace other than the confusion of a handful of Navy pilots ». Son parti pris n'est même pas subtil.

Cela dit, je ne comprends pourquoi elle s'en tient à donner deux options, « effet météorologique » ou « aliens ». Et si l'on se contentait de regarder le problème sous l'angle de « possible emerging technology »? Ça éviterait d'avoir à débattre de la source du problème.

J'ai lu récemment un texte qui remonte au début des années 1900 où des scientifiques honorables adoptent la même attitude que Katie Mack (l'astrophysicienne) mais pour démontrer que l'hypothèse de la dérive des continents est complètement absurde. Même rhétorique d'ailleurs que des médecins (célèbres en leur temps) qui ridiculisaient, à peu près à la même époque, l'idée de la circulation sanguine. Bref, je me méfie de ce type de discours où l'on vise à discréditer, au lieu d'analyser.

À suivre...

Luc

From: Gary Slater <gslater@uottawa.ca>

Sent: May 28, 2021 10:56 AM

To: Strati, Gina <[REDACTED]@cnl.ca>; Gauthier6, Luc (IC) <luc.gauthier6@canada.ca>

Cc: Bourque-Viens, Alexandre (IC) <alexandre.bourque-viens@canada.ca>; Verrier, Valérie (IC) <valerie.verrier@canada.ca>; Hanna, Sandy (IC) <sandy.hanna@canada.ca>; Engler-Todd, Lori (IC) <lori.engler-todd@canada.ca>; David Castle <dcastle@uvic.ca>; C. Scott Findlay <findlay@uottawa.ca>; Sung, Vanessa (IC) <vanessa.sung@canada.ca>; Marshall, Cara (IC) <cara.marshall@canada.ca>; Thornton, Peter (IC) <peter.thornton@canada.ca>; [REDACTED]

Subject: RE: UFOs are about to make their way to the U.S. Senate

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A long list of fuzzy pictures/movies and hoaxes.

Here is a local example on CBC: <https://www.youtube.com/watch?v=ZoBitiwWiHk>

https://www.bibliotecapleyades.net/ciencia/ciencia_flyingobjects34.htm

This is a new twist, for sure. The 3 videos released so far are not convincing in my opinion, but they will raise questions in the public.

Worth reading: <https://blogs.scientificamerican.com/observations/a-word-about-those-ufo-videos/>

"As far as I can tell, the only thread connecting these videos to anything involving aliens is science fiction."

A critique of the 60 Minutes TV coverage:

https://www.skeptic.com/reading_room/did-us-government-say-ufos-are-real-an-analysis-of-60-minutes-investigation/

Of course, the main issue is that UFO=ET in the mind of the public!

Gary

From: Strati, Gina [REDACTED] <[REDACTED]@cnl.ca>

Sent: Friday, May 28, 2021 9:28 AM

To: Gauthier6, Luc (IC) <luc.gauthier6@canada.ca>

Cc: Bourque-Viens, Alexandre (IC) <alexandre.bourque-viens@canada.ca>; Verrier, Valérie (IC) <valerie.verrier@canada.ca>; Hanna, Sandy (IC) <sandy.hanna@canada.ca>; Engler-Todd, Lori (IC) <lori.engler-todd@canada.ca>; David Castle <dcastle@uvic.ca>; Gary Slater <gslater@uottawa.ca>; C. Scott Findlay <findlay@uottawa.ca>; Sung, Vanessa (IC) <vanessa.sung@canada.ca>; Marshall, Cara (IC) <cara.marshall@canada.ca>; Thornton, Peter (IC) <peter.thornton@canada.ca>; [REDACTED]

Subject: RE: UFOs are about to make their way to the U.S. Senate

Attention : courriel externe | external email

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Not sure if questions would be directed to the Chief Science Advisor or the military on this topic but good to be prepared.

Gina

From: Gauthier6, Luc (IC) [<mailto:luc.gauthier6@canada.ca>]

Sent: May 28, 2021 9:03 AM

To: Strati, Gina <[REDACTED]@cnl.ca>

Cc: Bourque-Viens, Alexandre (IC) <alexandre.bourque-viens@canada.ca>; Verrier, Valérie (IC) <valerie.verrier@canada.ca>; Hanna, Sandy (IC) <sandy.hanna@canada.ca>; Engler-Todd, Lori (IC) <lori.engler-todd@canada.ca>; David Castle <dcastle@uvic.ca>; Gary Slater <gslater@uottawa.ca>; C. Scott Findlay <findlay@uottawa.ca>; Sung, Vanessa (IC) <vanessa.sung@canada.ca>; Marshall, Cara (IC) <cara.marshall@canada.ca>; Thornton, Peter (IC) <peter.thornton@canada.ca>; [REDACTED]

Subject: [External] UFOs are about to make their way to the U.S. Senate

Have you seen this? Should we start following this story in our emerging technology sub-section?

<https://www.nbcnews.com/science/science-news/ufos-are-make-way-us-senate-know-rcna973>

Any chance DRDC would already be on top of this one?

The report is coming out next month. We will certainly hear about it.

Luc

Luc Gauthier

Chief of Staff | Chef de cabinet

Office of the Chief Science Advisor | Bureau de la Conseillère scientifique en chef

Government of Canada | Gouvernement du Canada

luc.gauthier6@canada.ca

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Gauthier6, Luc (OCSA/BCSC)

From: Gary Slater <gslater@uottawa.ca>
Sent: 28 mai 2021 10:56
To: Strati, Gina; Gauthier6, Luc (IC)
Cc: alexandre.bourque-viens; Verrier, Valérie (IC); Hanna, Sandy (IC); Engler-Todd, Lori (IC); David Castle; C. Scott Findlay; Sung, Vanessa (IC); Marshall, Cara (IC); Thornton, Peter (IC); [REDACTED]
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Luc

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Gauthier6, Luc (OCSA/BCSC)

From: KRISTOPHER.REEVES@forces.gc.ca
Sent: 2 juin 2021 10:56
To: GUY.JONKMANS@forces.gc.ca
Cc: gina.strati@cnl.ca; Gauthier6, Luc (IC); JEROME.PATRY@forces.gc.ca
Subject: Re: question re DRDC

Good Morning,
I've just recently moved in from DMO, and have cc'd my replacement, LCol Patry.

Thank you,

Colonel K.M. Reeves

Department of National Defence / Government of Canada
Kristopher.Reeves@forces.gc.ca Tel: 343-548-6297

Ministère de la Défense nationale / Gouvernement du Canada
Kristopher.Reeves@forces.gc.ca cel. 343-548-6297

On Jun 2, 2021, at 9:12 AM, Jonkmans G@ADM(S&T) DKTS@Ottawa-Hull
<GUY.JONKMANS@forces.gc.ca> wrote:

Hello Gina,

We are aware of the upcoming release of information of unclassified reports about Unidentified Aerial Phenomena to U.S. Congress.

I recommend that you consult with Lieutenant-Colonel K.M. Reeves (cc'ed), Senior Military Advisor to the Deputy Minister of National Defence.

U.S. Congressional consideration are tracked by the trade commissioner service team at the Canadian Embassy (WSHDC).

LCol Reeves: I've cc'ed Luc Gauthier, Chief of Staff with the Office of Canada's Chief Science Advisor. In case you give consideration to this request, I would connect with Mr. Gauthier for confirmation of Gina's credentials and clearances. Thanks.

Guy.

Dr. Guy Jonkmans
Senior Liaison and Senior Science Advisor to U.S. Department of Homeland Security Science and Technology Directorate
guy.jonkmans@forces.gc.ca
+1 613.796.4765

From: Strati, Gina [mailto:gina.strati@cnl.ca]
Sent: June 1, 2021 8:26 AM
To: Jonkmans G@ADM(S&T) DKTS@Ottawa-Hull <GUY.JONKMANS@forces.gc.ca>
Subject: question re DRDC

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Hi Guy,

I hope you are doing well and enjoying your new role as liaison to Homeland Security. I also have recently started an interchange position with the Office of the Chief Science Advisor and am enjoying the role and the change. I have a question that I hope you might be able to help me with.

I am leading part of the Emerging Technologies file at OCSA and was asked to keep an eye on the report to Congress being released next month regarding Unidentified Aerial Phenomenon (referenced in the NBC news story on UFOs below). I know this is a bit unusual, but the desire is to stay on top of this in case the experiences in the released video relate to drones etc.. and are an indicator of advanced technology that is in use. <https://www.nbcnews.com/science/science-news/ufos-are-make-way-us-senate-know-rcna973>

My question is: do you know who in the Canadian Government would be most likely to have an eye on this report going to Congress or have a file related to "UFOs"? The suggestion was DRDC might be keeping track but I am not sure. I was unable to find anything on-line that was helpful.

Any information or suggestions you might have are much appreciated!

Thanks,
Gina

Gina L. Strati, Ph. D.
Special Science Policy Analyst
Office of the Chief Science Advisor
Cell: 613-633-0104

Science & Technology
Canadian Nuclear Laboratories
Gina.Strati@cnl.ca

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Gauthier6, Luc (OCSA/BCSC)

From: Peter Skafish, Sol Foundation [REDACTED]
Sent: 27 septembre 2023 17:35
To: Gauthier6, Luc (OCSA/BCSC)
Cc: Alex Boulton McKeethan; Garry Nolan (gnolan@stanford.edu)
Subject: RE: Sol Foundation Symposium at Stanford, November 17-18

Thanks, Luc. Let's check in soon in case you decide you can and want to come—I do think that it may be helpful to Sky Canada to be on site with so many serious people. But you know best.
Hope to see you in the future either way!
Best regards (and writing in haste),
Peter

----- Original Message -----

On Wednesday, September 27th, 2023 at 8:12 PM, Gauthier6, Luc (OCSA/BCSC) <Luc.Gauthier6@ocsa-bcsc.gc.ca> wrote:

Hello Peter,

Thanks a lot for the invitation. The timing is a bit problematic as we have the Royal Society of Canada's annual meeting and gala at the same time, but we'll see what we can do.

Good luck with the logistical details and all the preparation.

Regards,

Luc

Luc Gauthier

Chief of Staff | Chef de cabinet

Office of the Chief Science Advisor | Bureau de la Conseillère scientifique en chef

Government of Canada | Gouvernement du Canada

luc.gauthier6@ocsa-bcsc.gc.ca

From: Peter Skafish, Sol Foundation [REDACTED]
Sent: 27 septembre 2023 13:33
To: luc.gauthier6@canada.ca
Cc: Alex Boulton McKeehan <boulton@stanford.edu>; Garry Nolan (gnolan@stanford.edu)
[REDACTED]
Subject: Sol Foundation Symposium at Stanford, November 17-18

Dear Luc,

I hope you've been well. I wanted to inform you of our upcoming symposium and extend you and your team an invitation to attend:

<https://thesolfoundation.org/event/the-inaugural-annual-conference-of-the-sol-foundation/>

I'm writing in haste, but I thought you might want to join for academic reason and government networking purposes—and we'd love to see you there.

I'm writing in haste right now, so perhaps we can discuss this here or by voice. Please let me know,

Best wishes,

Peter

PS I'm cc'ing Alex here, as he's a graduate student at Stanford helping us track attendance.



The Inaugural Annual Symposium of The Sol Foundation

CONFERENCE | NOVEMBER 17-18, 2023 |
STANFORD UNIVERSITY

After decades of undeserved marginality, Unidentified Aerial Phenomena (“UAP”) are enjoying unprecedented levels of public interest and newfound legitimacy in academia, government, media, and even venture capital. Yet this sudden turnaround is deepening rather than lessening the enigma of the phenomena, revealing not only all the questions about them have gone unanswered but the many more that must now be asked.

Are some of these unidentified aerospace (and undersea) objects technological and nonanthropogenic? How can the natural sciences comprehensively study UAP, and how are the humanities and social sciences uniquely poised to understand the phenomena? Perhaps most importantly, how should the United States, European, and other governments respond to the likely reality of nonanthropogenic UAP as well as the prospect, currently acknowledged in Congressional legislation, that longstanding UAP intelligence and research programs have been concealed under extreme classification? Finally, how might the commercialization of open UAP

The Sol Foundation's inaugural symposium will address these and other pressing questions by bringing together leading voices on UAP from academia, government, and industry. Much more than an academic conference, this first-of-its-kind meeting will see its participants propose government policies, programs of research and funding, and investment strategies by which institutional, economic, and cultural resources adequate to the magnitude of the phenomena can be marshaled and organized. Sol also intends with this event to elevate public discourse on UAP, demonstrating that intellectual sobriety and mature professionalism can yield new insights into these anomalies par excellence.

Organizers:

- **Dr. Garry Nolan** – Sol Foundation Chairman of the Board, Professor, Department of Pathology, Stanford University School of Medicine
- **Dr. Peter Skafish** – Sol Foundation Director, formerly Collège de France, UC Berkeley, and McGill University

Confirmed Speakers:

- **Jonathan Berte** – AI Entrepreneur and Robovision Chairman
- **Dr. Eric Davis** – Theoretical physicist, The Aerospace Corporation
- **Dr. Timothy Gallaudet** – Rear Admiral, US Navy (Retired) and Former Administrator, the National Oceanic and Atmospheric Administration
- **Dr. Jairus Victor Grove** – Director, Hawai'i Research Center for Future Studies and Chair, Department of Political Science, University of Hawai'i, Mān'uā

- **Leslie Kean** – Journalist and Author, *UFOs: Generals, Pilots, and Government Officials Go on the Record*.
- **Charles McCullough III** – Inspector General of the Intelligence Community under the Obama Administration
- **Christopher Mellon** – Former Deputy Assistant Secretary of Defense for Intelligence and Staff Director of the Senate Select Committee on Intelligence
- **Dr. Diana Walsh Pasulka** – Professor of Religious Studies, University of North Carolina, Wilmington
- **Dr. Beatriz Villarroez** – Director of the VASCO project; Assistant Professor, Nordic Institute of Theoretical Physics, Sweden
- **Dr. Jacques Vallée** – Computer scientist, venture capitalist, author.

Due to limited room capacity, in-person attendance at Stanford is by invitation only. Professional requests to attend are welcome and should be made through the contact form below. (Address for media requests will be posted shortly.)

Video of the event will be made available at a later date.

1 1

the application form for the Sol Foundation

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* Indicates required question

Name *

Your answer

e-mail *

Your answer

phone *

Your answer

address *

Your answer

profession

Your answer

Your answer

EVENTS

Contact

Greetings

The Sol Foundation welcomes serious inquiries about our work. Messages about supporting the Foundation should be directed to gifts@thesolfoundation.org

Queries from academics and scientists about research collaborations should be directed to Dr. Nolan or Dr. Skafish, both of whom can also discuss partnership proposals from corporate, government, and religious entities.

Message us

Your Name *



Subject

Your Message

SEND

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Gauthier6, Luc (OCSA/BCSC)

From: Gary Slater <gslater@uottawa.ca>
Sent: 24 novembre 2021 13:37
To: Gauthier6, Luc (OCSA/BCSC); Strati, Gina (OCSA/BCSC)
Subject: Pentagon announces new group to investigate reports of UFOs near certain military sites - ABC News

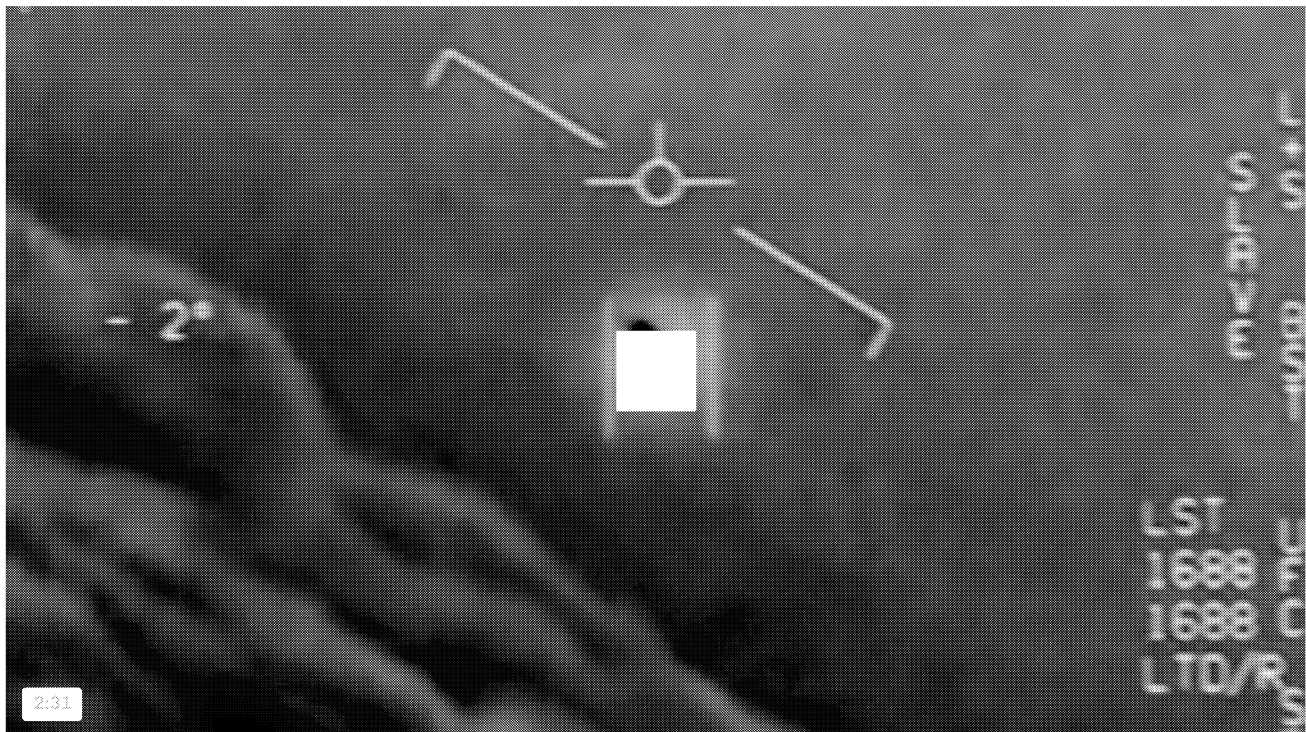
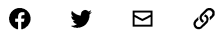
<https://abcnews.go.com/Politics/pentagon-announces-group-investigate-reports-ufos-military-sites/story?id=81375017>

Pentagon announces new group to investigate reports of UFOs near certain military sites

A Pentagon report compiled in June could not explain 143 incidents.

By [Luis Martinez](#)

November 24, 2021, 1:36 PM



Government report on UFO investigation released

A declassified version of the government report presented to Congress on unexplained aerial phenomen...

[Read More](#)

In the wake of a UFO report last summer, the Pentagon has announced the formation of a new group that will investigate reports of UFOs close to sensitive military areas.

The new Airborne Object Identification and Management Synchronization Group will specifically look at reports of Unexplained Aerial Phenomena (UAP) near U.S. military facilities. UAP is the military term to describe what is known as UFOs or Unexplained Flying Objects.

"Incursions by any airborne object into our SUA (Special Use Airspace) pose safety of flight and operations security concerns, and may pose national security challenges," said a Pentagon press release using the term that includes

A-2023-00442--A0070047_1--00054

restricted military airspace, military operations areas, firing ranges and places restricted for national security and other uses.

MORE: Few answers in unclassified UFO report→

In a memo outlining the group's formation, Deputy Defense Secretary Kathleen Hicks wrote that unidentified aerial phenomena in special-use areas "represents a safety of flight risk to aircrews and raises potential national security concerns."



This video grab image obtained April 28, 2020, courtesy of the U.S. Department of Defense shows part of an unclassified video taken by Navy pilots that have circulated for years showing interactions with "uniden..."

[Show more](#)▼

U.S. Dept. of Defense

The new group will synchronize the Pentagon's efforts with other federal agencies "to detect, identify and attribute objects of interest in Special Use Airspace (SUA), and to assess and mitigate any associated threats to safety of flight and national security."

MORE: Upcoming UFO report to Congress creating lots of buzz→

It will be overseen by the under secretary of defense for intelligence, who will head an executive council including the director of the Joint Staff and senior officials from the Office of the Director of National Intelligence.

Last June, the U.S. intelligence community released a report requested by Congress that provided the first unclassified assessment of Unexplained Aerial Phenomena.

MORE: Pentagon declassifies Navy videos that purportedly show UFOs→

Compiled by the Navy's Unidentified Aerial Phenomenon Task Force, that report could not explain 143 incidents and said 18 of them appeared "to demonstrate advanced technology." The UAP Task Force will now be absorbed into the newly formed group announced by the Pentagon.

The UAP report also identified the need to make improvements in the Pentagon's processes, policies, technologies and training to improve its ability to understand UAP.



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A-2023-00442--A0070047_3--00056

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Gauthier6, Luc (OCSA/BCSC)

From: Gary Slater <gslater@uottawa.ca>
Sent: 3 juillet 2021 10:22
To: Bourque-Viens, Alexandre (OCSA/BCSC); Gauthier6, Luc (OCSA/BCSC);
gina.strati@cnl.ca
Subject: What the Pentagon's New UFO Report Reveals About Humankind | WIRED

<https://www.wired.com/story/what-the-pentagons-new-ufo-report-tells-us-about-ourselves/>



“The chances of this technology being Russian or Chinese is infinitesimally small,” says Semivan, speaking about the objects captured in the Navy videos released in recent years. “These things have been flying around since the '40s, and the Russians would have won the Cold War if they had this technology back then.”

AGAM MANN SCIENCE JUN 25, 2021 5:08 PM

What the Pentagon's New UFO Report Reveals About Humankind

The document says less about the search for life in the universe, and more about our current cultural climate and distrust of expertise.



The debate over UFOs highlights the limits of knowledge and humanity's continued need to believe in something beyond our mundane experience of the world. COURTESY OF DEPARTMENT OF DEFENSE



AFTER A GREAT deal of speculation, the Department of Defense and the Office of the Director of National Intelligence have released a long-awaited report about their investigations into unidentified flying objects. The unclassified document, called “Preliminary Assessment: Unidentified Aerial Phenomena,” examined 144 incidents that occurred between November 2004 and March 2021 in which military pilots encountered something they couldn’t explain. Promoters of the idea that UFOs represent something beyond this world have been hyping up the release for months.

A-2023-00442--A0070049_1--00059

In only one case was the report able to deduce an exact nature of what their pilots saw with high confidence—it was a large, deflating balloon. It also concludes that further investigation of the other incidents would likely trace them back to some terrestrial cause, such as airborne debris, natural atmospheric phenomena like ice crystals, or flight vehicles from the US or other countries. But by their very nature, most of the reported cases are difficult to identify.

“The limited amount of high-quality reporting on unidentified aerial phenomena (UAP) hampers our ability to draw firm conclusions about the nature or intent of UAP,” wrote the authors, using the military’s preferred parlance.

Today’s report follows in the wake of knowledge about a \$22 million program known as the Advanced Aviation Threat Identification Program, set up in 2007, whose existence was made public in [a front page story](#) in *The New York Times* in 2017. Though it contains no indication that any of its incidents could have been caused by things not of this Earth, it will be seen as a major victory by those who have been pushing for increased government disclosures about strange lights in the skies.

Listen to the full story here or on [the Curio app](#).

“No question, this is the story of the millennium,” says former CIA officer Jim Semivan, who helps run To the Stars Academy of Arts and Sciences, a company that researches UFOs and other unexplained phenomena. “This is going to reorder our consensus reality.”

His partner at To the Stars, Tom DeLonge (yes, from the punk-pop band Blink-182), agrees. “There’s no putting the genie back in the bottle,” DeLonge says.

Susan Gough, a spokesperson for the Defense Department, declined requests for an interview, writing in an email that the department “does not discuss publicly the details of either the observations or the examination of reported incursions into our training ranges or designated airspace.”

The new report is less a major turning point in our understanding of life in the universe and more a product of our current cultural climate, a time when expertise and authority are increasingly being called into question. The debate over UFOs instead highlights the limits of knowledge and humanity’s continued need to believe in something beyond our mundane experience of the world.

It’s important to note that this isn’t the first time the government has acknowledged that its pilots on occasion see things that bewilder them. “The US military has done this before, in multiple ways, at multiple times,” says Kathryn Dorsch, a historian at the University of Pennsylvania in Philadelphia.

Last summer, for instance, the Department of Defense [authorized the release of three videos](#) showing purported encounters with unidentified phenomena, which featured oblong dots hovering and moving in eerie ways. In April, the Pentagon also confirmed that leaked video of a [bizarre triangular object](#) taken in 2019 was a legitimate recording of something it had yet to explain.

Dorsch, who specializes in scientific knowledge production, points out that UFOs are very much a Cold War phenomenon. Almost as soon as World War II ended, US military officials began reporting observations of funny lights and odd-shaped entities.

It was perfectly reasonable for the Department of Defense to be concerned that these represented some kind of advanced Soviet technology, and so the Air Force launched Project Sign and Project Grudge in 1947 and 1948, respectively, to study UFO sightings among its soldiers. The longest such investigation, Project Blue Book, ran from 1952 to 1969 and ended with the public release of the [Condon Report](#), which concluded that the study of UFOs was unlikely to yield much of interest.

Each of these documents has stated that the vast majority of these sightings can be traced back to some common object—a bird, plane, or planet, Dorsch says. But a certain slim percentage of encounters have always remained unidentified, and the military

has vowed to keep investigating them. True believers hold up these unknowns as potential evidence of visitors from somewhere else.

"The chances of this technology being Russian or Chinese is infinitesimally small," says Semivan, speaking about the objects captured in the Navy videos released in recent years. "These things have been flying around since the '40s, and the Russians would have won the Cold War if they had this technology back then."

The way he and DeLonge see it, there are really only three options that can account for what people have been spotting over the years: the extraterrestrial, the interdimensional, and the ultra-terrestrial, meaning members of a lost human civilization here on Earth, à la Atlantis.

"Either there's a group so much more advanced that we never knew they were here," DeLonge says, "or they're popping in and out of what we can perceive, and using machinery to do that."

But before rushing off into such flights of fancy, it might be good to consider that another group of sky watchers, astronomers, rarely report seeing unidentified aerial phenomena. "No one would be happier than astronomers if UFOs turned out to be alien spacecraft," says Andrew Fraknoi, a retired astronomer and member of the Committee for Skeptical Inquiry (CSI), which promotes critical investigation of extraordinary claims. "Imagine getting to talk about astronomy with creatures that traveled through the stars."

When giving public talks, Fraknoi likes to play with his audience by telling them he believes in UFOs. "I believe there are objects out there the average person can't identify," he clarifies. "The issue is: Can we make a UFO into an IFO, an identified flying object?"

In his opinion, it's quite possible that extraterrestrial beings exist, perhaps even intelligent ones. Plenty of researchers hope to use probes to investigate potentially habitable places in our solar system like Mars or Jupiter's moon Europa, or catch a whiff of a strange gas on a distant planet that might indicate it is a living world, as in the recent controversial paper about the possibility of phosphine on Venus.

As a member of the Board of Trustees of the Search for Extraterrestrial Intelligence (SETI) Institute, Fraknoi also thinks our observatories may one day accidentally eavesdrop on an alien transmission. But each of these scenarios is a far cry from the idea that we are being visited by little green individuals.

The current craze over UFOs is in many ways traceable back to To the Stars. In 2017 the group, along with The New York Times, released the mysterious US Navy videos that purported to capture freaky aerial objects, helping to prompt official confirmation from the US military that these videos were real. While a number of people have attempted to debunk such footage, other high-profile publications, including The New Yorker, subsequently published credulous alien articles, leading members of Congress to include in their December 2020 omnibus spending and coronavirus-relief legislation a provision ordering the Defense Department to deliver a UFO report within six months.

The Cold War may be gone, but the US is still on-again, off-again frenemies with Russia, as well as its new main competitor on the world stage, China. Furthermore, we are living in an era when expert judgement is constantly being called into question—whether in regards to climate change, vaccines, or the fact that the Earth is a sphere. "I think the political moment is particularly ripe for this," says Dorsch. She sees parallels to the release of the Condon Report, which landed with a thud in 1969 in part because trust in government was at a low ebb over the Vietnam War.

Though she doesn't think that alien-piloted UFOs are particularly likely, she adds that the experiences of people who've reported unexplained sightings shouldn't be automatically dismissed. "I think it can give you a language for humanizing people who don't necessarily agree with you," she says. "They're not making it up for fun. They believe. Not only should we not be surprised that this is happening, we should expect it."

Nothing is infallible—not trained pilots, not advanced military cameras, not government reports. Radar can be tricked by pockets of warm air. Human beings see things they can't explain. Sometimes investigations can determine a cause, and sometimes they can't.

"God love the US Air Force, but answering fundamental epistemological questions is not super high on their to-do list," says Dorsch. "This is why the military has always struggled with this UFO question. They want to know if this thing is a threat, and if it's

not, *great*.”

Ultimately, no report is going to do much to move the needle for either side. What any given person thinks about UFOs comes down to their personal cosmology and the underlying truths they see in the world. As Fraknoi noted, the belief in alien visitors mirrors people’s faith in other kinds of spiritual protectors, like guardian angels.

“A lot of these UFO reports are people wishing we had alien godparents that we could consult about our problems,” he says. “For the most part, I think we have to solve our own problems.”

Update 6-3-2021 10:20 AM: This story was updated to attribute the \$22 million figure to the Advanced Aviation Threat Identification Program, and to clarify that the report has not yet concluded the causes of all 144 reported incidents.

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